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TCATCAGGTA AAGATACCTC CCAAGACATG GTGTGAGTCC TTGGGAACCT         100
ACGTGGAGGA AGGTGAGAAC CAATTGCCTA AAGTTTTCTG ACACCCACAA         150
GTGAGGCACT GCCACATGCA CCCACATACT CCTGCACAGG AATGAGTTAG         200
TGCAATGTAG CATGGAAAAA AACCAAAAGT GTGGCCCATG TAATGACAGC         250
CTGCTATTTC TGGGAAAACT TAGGCCCTCT ACTCTCTAGC TTTTACAAAA         300
GGACTTTTAA CTATGGACTC TGAAAGTTTG AAAGCTCTTG TCATTAAAAC         350
CTAGAATATG CCCTATGGAG ATAGTCTTTT TCTTGACTTT TTATCTGGTA         400
AGGTCTTTAT CTTGAGGATG CAAGAATACT TCCCTCTTCC TCTCTGAAGT         450
GCCAAGTCAC AAGCAGAGCT GCAAGCCTTT CAGTCAGTCC AGGGTGCAGA         500
ACTGCTTCAG GTAAGGCCAA ATATTCTTAA ATTAGTGTAT GCAGTTAGAG         550
GCTCAGTCTG TATAGGGGCA GAAGGAGACC TGGTACAAGA AACAGTACAA         600
ATTTTTACTT GGGAAACAGA GTAAACTAGT ATTACTGTGT GCTTCCTGGG         650
TAACTCAATG CCCAGAGTAG TTTTATTAAG CAGCTTGGTG TATAAGCAAA         700
CAGTAGCTCA TTATTTAAAT GTGTGAGTCA GAAAAACATC TTCAAATGCT         750
ACTTATGTGA CACTTAAATT AACCTCATGT ACACTGGAGC GACCAGCCTA         800
CTGCACTCGT GTTACTGTAA CAGTGCAAAG TTCAGAAAAG CATGGCATAA         850
AGCAATGGGC ATTATCACCT GCACCACTGG GCTCCGGGCC GGGAGTTACA         900
AAACGGTGTA ATGAGTTGTG GGGTGTTGGT ACTTTGAAAA TATGTAAGAA         950
ATTGAATCTA GTGGAAGTGG GCCTTGCTGC GGTTCTCTTG CTGACTGTTG        1000
GGGATAAAGC TCCCTGCTTA ACTTGTTAAA GTCAGTGACA CAGCCAGTCC        1050
CAGGAGGCGT TGCTTTCTAT TCTCTGAAAA AGACCGTAGC AATTTTAATT        1100
CGTTCTGTAA CGATTTTAAG GTATTCTGTA GCTTGAAAAT GCCCAAATGT        1150
CAATGCTCTA AACAGAACCG GGGAGATGGC TGACTGGATA AAAATGGGAA        1200
CCTGTAAGAC TGATCTACTC TCCAATACCC ACATATGCTG AATAGAAAAG        1250
TAATTTTTTT TTAATCAGCC TTTGTAAGAT AGAGGAAGAC TTGGTTGTAT        1300
CTGAGCGTTC CAAGGCCGTG AGAGTGCTGG CCCAAAAACT GTGCTTGCAG        1350
CAGTGCGTGC AGGGCTCCAG GATATGCTCT GAGCCTTGTT TTTGCTCTTG        1400
CATTTCAGAC
                (start)
                ATGCTAAGAA GCGCCCTGCT GTCCGCGGTG CTCGCACTCT        1450
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GATGCCGCGC AGTGCTCGGG CGGCAGCGTG GCTCACATCG CTGAGCTAGG        1550
TCTGCCTACG AACCTCACAC ACATCCTGCT CTTCCGAATG GACCAGGGCA        1600
TATTGCGGAA CCACAGCTTC AGCGGCATGA CAGTCCTTCA GCGCCTGATG        1650
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CACAATGCAC TAAGGGACCT TGATCAAAAC CTGTTTCAGC AACTGCGTAA        1850
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ACCTTTTCTC GAGCCTGAGA GAACTGAAGT TGTTGGATTT ATCGCGAAAC        1950
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GAAACTGCTG CTCTATTCAA ACCAGCTCAC GTCTGTGGAT TCGGGGCTGC        2050
TGAGCAACCT GGGCGCCCTG ACTGAGCTGC GGCTGGAGCG GAATCACCTC        2100
CGCTCCGTAG CCCCGGGTGC CTTCGACCGC CTCGGAAACC TGAGCTCCTT        2150
GACTCTATCC GGAAACCTCC TGGAGTCTCT GCCGCCCGCG CTCTTCCTTC        2200
ACGTGAGCAG CGTGTCTCGG CTGACTCTGT TCGAGAACCC CCTGGAGGAG        2250
CTCCCGGACG TGTTGTTCGG GGAGATGGCC GGCCTGCGGG AGCTGTGGCT        2300
GAACGGCACC CACCTGAGCA CGCTGCCCGC CGCTGCCTTC CGCAACCTGA        2350
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Figure 1

GCGGCTTGCA GACGCTGGGG CTGACGCGGA ACCCGCGCCT GAGCGCGCTC 2400
CCGCGCGGCG TGTTCCAGGG CCTACGGGAG CTGCGCGTGC TCGCGCTGCA 2450
CACCAACGCC CTGGCGGAGC TGCGGGACGA CGCGCTGCGC GGCCTCGGGC 2500
ACCTGCGCCA GGTGTCGCTG CGCCACAACC GGCTGCGGGC CCTGCCCCGC 2550
ACGCTCTTCC GCAACCTCAG CAGCCTCGAG AGCGTGCAGC TAGAGCACAA 2600
CCAGCTGGAG ACGCTGCCAG GAGACGTGTT CGCGGCTCTG CCCCAGCTGA 2650
CCCAGGTCCT GCTGGGTCAC AACCCCTGGC TCTGCGACTG TGGCCTGTGG 2700
CCCTTCCTCC AGTGGCTGCG GCATCACCCG GACATCCTGG GCCGAGACGA 2750
GCCCCCGCAG TGCCGTGGCC CGGAGCCACG CGCCAGCCTG TCGTTCTGGG 2800
AGCTGCTGCA GGGTGACCCG TGGTGCCCGG ATCCTCGCAG CCTGCCTCTC 2850
GACCCTCCAA CCGAAAATGC TCTGGAAGCC CCGGTTCCGT CCTGGCTGCC 2900
TAACAGCTGG CAGTCCCAGA CGTGGGCCCA GCTGGTGGCC AGGGGTGAAA 2950
GTCCCAATAA CAGGCTCTAC TGGGGTCTTT ATATTCTGCT TCTAGTAGCC 3000
CAGGCCATCA TAGCCGCGTT CATCGTGTTT GCCATGATTA AAATCGGCCA 3050
GCTGTTTCGA ACATTAATCA GAGAGAAGCT CTTGTTAGAG GCAATGGGAA 3100
AATCGTG
(stop)
TAA CTAATGAAAC TGACCAGAGC ATTGTGGACG GGGCCCCAAG 3150
GAGAATGCAG TCAGGATGCT GGCGTGCCAT TACACTATTT CCCAGGCCTT 3200
TTCTCCTCTC CCGTGCTCTT AGTGTCTCTT CTTCTCCCCT CTCTTCAGAA 3250
GTAGCTTTTG TAAATCGCTA CTGCTTTCTA GCCTGGCCTG GGTTACCTCC 3300
TCTGCTGTTA GTTTCAAGGG GGCTGAGGGT GGGGGTTCGA CGGGACTTGG 3350
CTCATCAGGT CCAACTGTGC AGCGCTGGGT GCCTAGTGGA GAGAGGAGCC 3400
CTTTCTTGGT TTCTGAATTT GAGGACACAT CCTGCCAGTG GGCAAGACCT 3450
CTCCGGGACC CAGCAAGGGT TGAGTAACAT TTGCTGAAGG AACACCGGCT 3500
TAAAACGAAC CCTAGGTCCA AGAGATGAAG GCTCTTCCCA AAATAAAGGT 3550
GGAGTGTTCT TGTCCCTTTA CCTGAAAGGA GAATTC 3586

Figure 1 (continued)

```
MLRSALLSAV LALLRAQPFP CPKTCKCVVR DAAQCSGGSV AHIAELGLPT      50
NLTHILLFRM DQGILRNHSF SGMTVLQRLM LSDSHISAID PGTFNDLVKL     100
KTLRLTRNKI SRLPRAILDK MVLLEQLFLD HNALRDLDQN LFQQLRNLQE     150
LGLNQNQLSF LPANLFSSLR ELKLLDLSRN NLTHLPKGLL GAQVKLEKLL     200
LYSNQLTSVD SGLLSNLGAL TELRLERNHL RSVAPGAFDR LGNLSSLTLS     250
GNLLESLPPA LFLHVSSVSR LTLFENPLEE LPDVLFGEMA GLRELWLNGT     300
HLSTLPAAAF RNLSGLQTLG LTRNPRLSAL PRGVFQGLRE LRVLALHTNA     350
LAELRDDALR GLGHLRQVSL RHNRLRALPR TLFRNLSSLE SVQLEHNQLE     400
TLPGDVFAAL PQLTQVLLGH NPWLCDCGLW PFLQWLRHHP DILGRDEPPQ     450
CRGPEPRASL SFWELLQGDP WCPDPRSLPL DPPTENALEA PVPSWLPNSW     500
QSQTWAQLVA RGESPNNRLY WGLYILLLVA QAIIAAFIVF AMIKIGQLFR     550
TLIREKLLLE AMGKSC                                          566
```

Figure 2

```
5' -TGATCGGAAC TGAAAGACCT CCCGCGATAC CTGGCAGAGG CAGTGGCTCT      50
                  TRE
TCCCTGTGGT CCAGGGCTGA CTGACTTTGA AGGTAATTTC AGTCAACCCA GCCTTTACTG  110
GGCTCTGACT GCATTAGGCT GCATCAAAGG GGATTGGATC CCATGATTCT TTATATCTTC  170
TGACATTAAG CCTTTGTCAG CTATAGGTGT TACAAATATC TTTAGTTTGT GGTTTATCTT  230
TTCCCCTTTT TTATGGTGTC TTGAAGGATA GAAGTCTTAA TGCAGACAGC ATTATCAGTG  290
TGTTCAAAAG ACAGCTAGAC ACGTTTTGCC TATAGACAAA TGGGCAAAAG GAAACCCAGC  350
TTTCTCAAAT GAAGCACAAG TGGGCCTTAA TTATGTGAAA AGGTGTTCAA GTTCATCATT  410
AAACAGGGAA AGGAAAAGTT AAAACCATGC TGAGATATCT TTCATAGAAA TGGCAAAAAG  470
  Ets-1                    Ets-1
CAGGAAGTGC CACGTGTGGG CAGAGAGGAA GCACAGGAAC TCTCACAAAT GGCAGGTGTC  530
ATCGTAGACC AACACAACCA CTTTGGAGAG CAGTTTGACT TTCCCCAGTT AAACTGAACA  590
TGTGAGCGGC CGGGCGTGGT GGCTCATGCC TGTAATCCCA GCAGTTTGGG AGGCCGAGGC  650
GGGCGGATTG CCTGAGCTCA GGAGTTCAAG ACCAGCCAGG GCAACACGGT AAAACCCCGT  710
CTCTACTAAA ATACAAAAAA TTAGCTGGGC GTGATGGTGT GTGCCTGTAA TCCCAGCTAC  770
TTGTGAGGCC GAGGCAGGAG AATTGCTTGA ACCAGGGAGC AGGAGGTTGC AGTGAGCCGA  830
GATCGCACCA CTGCACCCCA GCCTGGCGAC AGAGTCCCCC TCCCCCACCA AAAAAACAAC  890
      Ets-1
AAGTGAGGCAT CCTGCAACCT AGCAATGCCA TTGTTGAACA AGTTCAAAGA TGTTCTTAGC  950
CTTATTAGTC CCAAAAGGAA GAAAAAAATG GAGGATTTGA GAATGTTCTT AGCTTTATTG  1010
CTAAGCGGAG AAAGAAAAAC AACACATACC AAAAAAAAAA AAAAAAAAAA AAAAAAACAA  1070
AAAACCTGGG TGGGAAATTA GGGCCATGTG GCATGAAAAG GAAGACCCAG GGGAAGTGTG  1130
                  SpI                              Ets-1
GCCCATCTAG GGGTGTGGGT ACTGCAGTGA TCCAGCTGTA TCACTGAACT TCCCTGGCAT  1190
          TATA
CATAGAGTTA TATTGTGCCA TTTATGGAAA AACTCTCCCC ACTGCTCTTG GCTTTGACAG  1250
              TATA                        GATA
TAGGAATCAG GTTATATATG GTCTCTCGGT TTGAAGATAT TTGTCATTAA AAACCAGAAC  1310
          GATA                                              Ets-1
AAGGGCTCTG AGATAGGGTC CTTTCCTGAC CTACTCTGGT AAAGTCTTTA TCCTCAGGAT  1370
GCAAGGATAC CACCCTCTTC CTGTGGAAAG TGTCGAATCA CATGCAGAGC TCTAAGTCTT  1430
▽
TCAGTTACTT TGGAGTGCAG AACCATTTCA Ggtaaggcca aatattttaa acattagtat  1490
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ctttgtgatg tctgtgagct tgaatgtgag aatgattatt ttaattctct atgtaaagac  2150
tttaaagtat tggctatteg gtagcttgat ttctctgtaa tctcatgctt taaactgaga  2210
gtggaaaatc aataaagcaa aagcatgagg ccacgcagtg tagaatgagt gtcttttcac  2270
cacgtagggc aatctgtagt cctaagaaaa gagggagtga gaattctggc gaaaagattg  2330
tgcctctgca caaagtgcag gatcccaggg ttcagtacag gcgcgaacgc tcctgtgtgt  2390
                                  Met
tgaccacact cccacggttg cttttttagA CATGCTGAGG GGGACTCTAC TGTGCGCGGT  2450
```

Figure 3

```
GCTCGGGCTT CTGCGCGCCC AGCCCTTCCC CTGTCCGCCA GCTTGCAAGT GTGTCTTCCG  2510
GGACGCCGCG CAGTGCTCGG GGGGCGACGT GGCGCGCATC TCCGCGCTGG GCCTGCCCAC  2570
CAACCTCACG CACATCCTGC TCTTCGGAAT GGGCCGCGGC GTCCTGCAGA GCCAGAGCTT  2630
CAGCGGCATG ACCGTCCTGC AGCGCCTCAT GATCTCCGAC AGCCACATTT CCGCCGTTGC  2690
CCCCGGCACC TTCAGTGACC TGATAAAACT GAAAACCCTG AGGCTGTCGC GCAACAAAAT  2750
CACGCATCTT CCAGGTGCGC TGCTGGATAA GATGGTGCTC CTGGAGCAGT TGTTTTTGGA  2810
CCACAATGCG CTAAGGGGCA TTGACCAAAA CATGTTTCAG AAACTGGTTA ACCTGCAGGA  2870
GCTCGCTCTG AACCAGAATC AGCTCGATTT CCTTCCTCCC AGTCTCTTCA CGAATCTGGA  2930
GAACCTGAAG TTGTTGGATT TATCGGGAAA CAACCTGACC CACCTGCCCA AGGGGTTGCT  2990
TGGAGCACAG GCTAAGCTCG AGAGACTTCT GCTCCACTCG AACCGCCTTG TGTCTCTGGA  3050
TTCGGGGCTG TTGAACAGCC TGGGCGCCCT GACGGAGCTG CAGTTCCACC GAAATCACAT  3110
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GTTGACTCTG TTCGAGAACC CGCTGGCAGA GCTCCCGGGG GTGCTCTTCG GGGAGATGGG  3290
GGGCCTGCAG GAGCTGTGGC TGAACCGCAC CCAGCTGCGC ACCCTGCCCG CCGCCGCCTT  3350
CCGCAACCTG AGCCGCCTGC GGTACTTAGG GGTGACTCTG AGCCCGCGGC TGAGCGCGCT  3410
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GCGCCGCAAC AGGCTGCGCG CCCTGCCCCG TGCCCTCTTC CGCAATCTCA GCAGCCTGGA  3590
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CGAGTGCCCG GGCCCCCGGG GCCCGCCTCC CCGCCCCGCT GCGCACAGCT CCTCGGAAGD  3890
CCCTGTCCAC CCAGCCTTGG CTCCCAACAG CTCAGAACCC TGGGTGTGGG CCCAGCCGGT  3950
GACCACGGGC AAAGGTCAAG ATCATAGTCC GTTCTGGGGG TTTTATTTTC TGCTTTTAGC  4010
TGTTCAGGCC ATGATCACCG TGATCATCGT GTTTGCTATG ATTAAAATTC GCCAACTCTT  4070
                                  STOP
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TAGAACCTGA CCAGATGTGG CTCGGAGGGG AATCCAGACC CGCTGCTGTC TTGCTCTCCC  4190
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CTCCTCCTCC CCCTCTCCGC TCTGTGCTCT TCATTCTCAC GGGCCCGCAA CCCCTCCTCT  4310
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TGAGTAAGGG GACAGCTCCA GGCCGGGGCT GTCTCCTGCA CAGAGTAAGC CGGTAAATGT  4550
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GGAGGGAAAG GATAGGCTGT TGCTCTATCT AATTTTTTGT TTTTGTTTTT GGACAGTCTA  4670
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```

Figure 3 (cont.)

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TCCTCCAACA CCACCAGGTG GATGTGGAGC AGGAGAGCTG GATCGTGGCA TTTGTTTCTG 5930
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CTTAAAGTAT ATTAAAAAAA GAAACCTTGG CACTGATTTT GTTAGATTTA TTCCTAGGTA 6890
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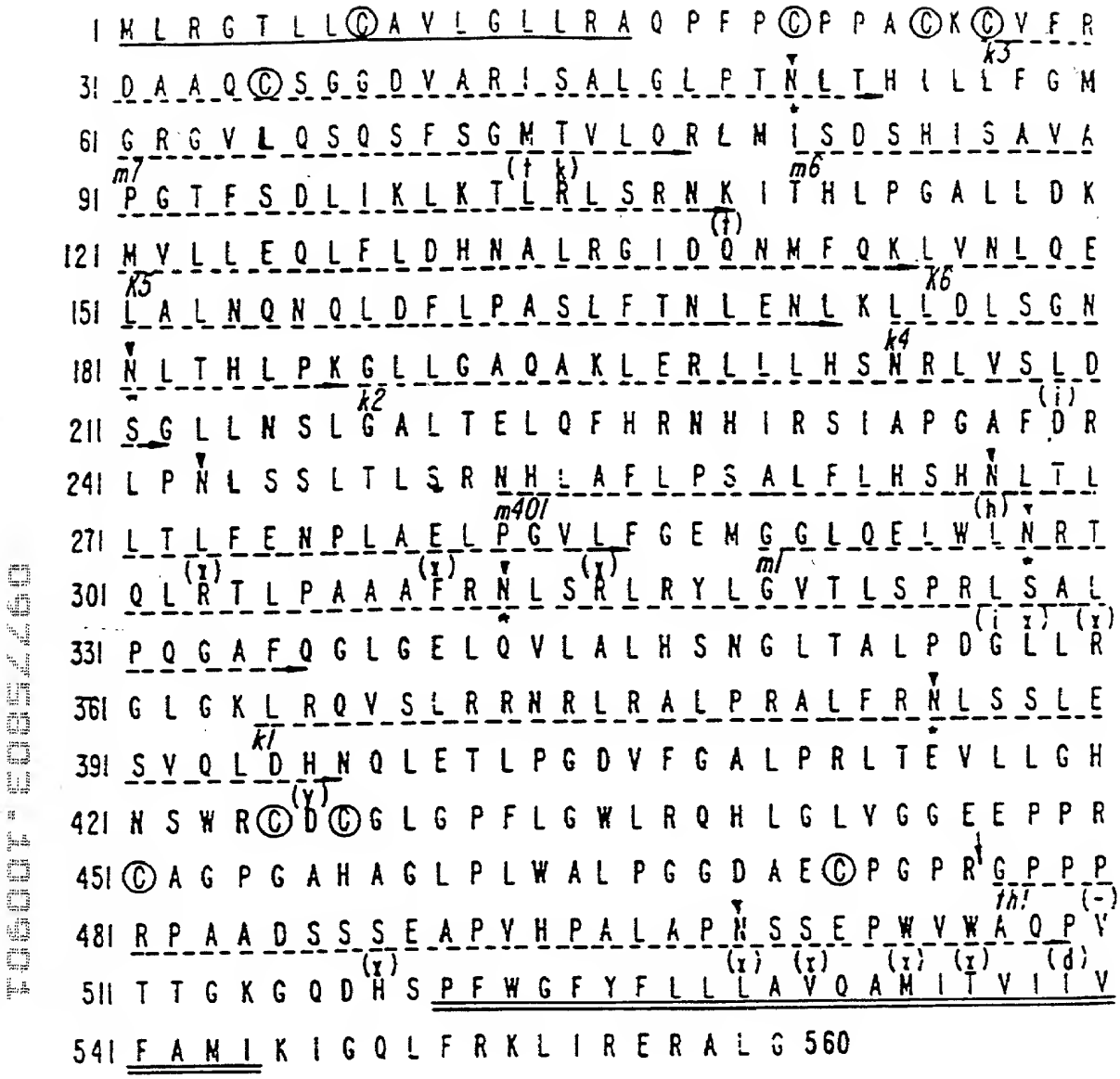
Figure 3 (cont.)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211 S G L L N S L G A L T E L Q F H R N H I R S I A P G A F D R
241 L P N L S S L T L S R N H L A F L P S A L F L H S H N L T L
271 L T L F E N P L A E L P G V L F G E M G G L Q E I W L N R T
301 Q L R T L P A A A F R N L S R L R Y L G V T L S P R L S A L
331 P Q G A F Q G L G E L Q V L A L H S N G L T A L P D G L L R
361 G L G K L R Q V S L R R N R L R A L P R A L F R N L S S L E
391 S V Q L D H N Q L E T L P G D V F G A L P R L T E V L L G H
421 N S W R C D C G L G P F L G W L R Q H L G L V G G E E P P R
451 C A G P G A H A G L P L W A L P G G D A E C P G P R G P P P
481 R P A A D S S S E A P V H P A L A P N S S E P W V W A Q P V
511 T T G K G Q D H S P F W G F Y F L L A V Q A M I T V I I V
541 F A M I K I G Q L F R K L I R E R A L G 560
k3
m7
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k1

Figure 4

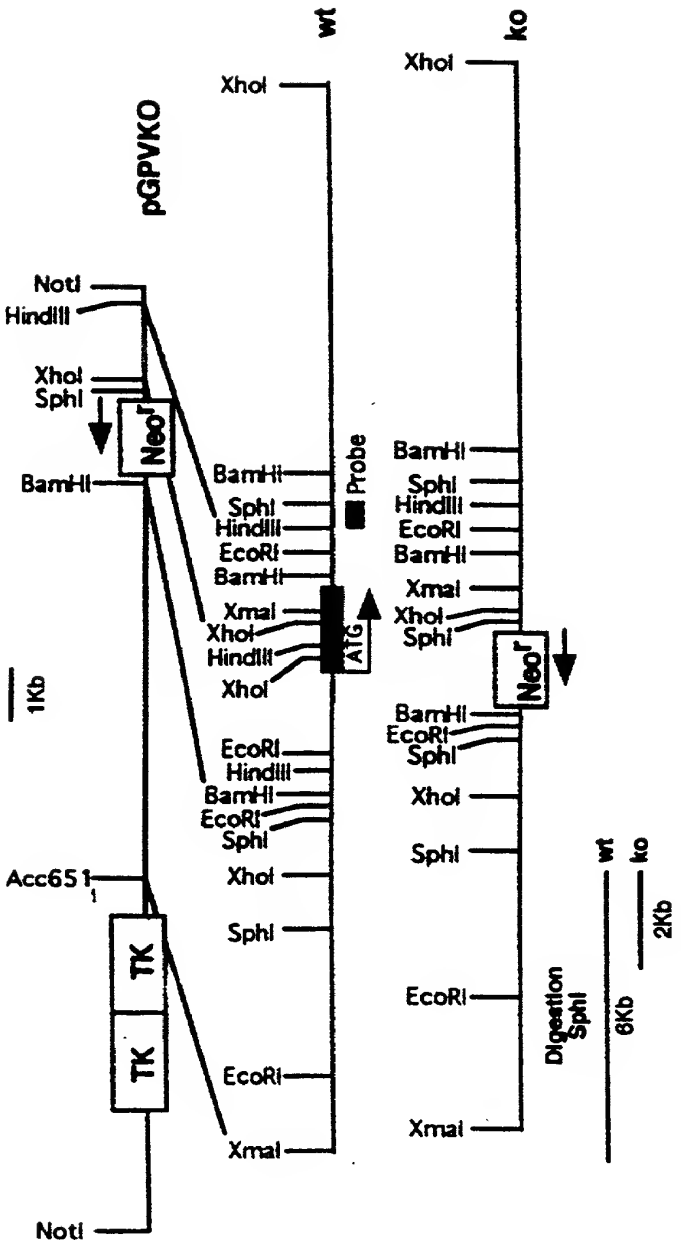
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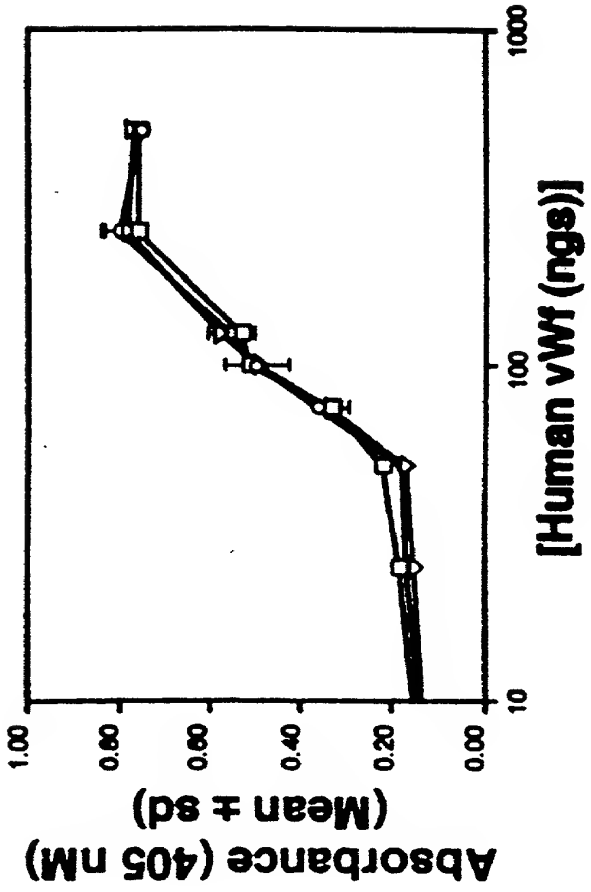
Figure 5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0.40
0.20
0.00
10
100
1000
[Human vWf (ngs)]

Figure 6

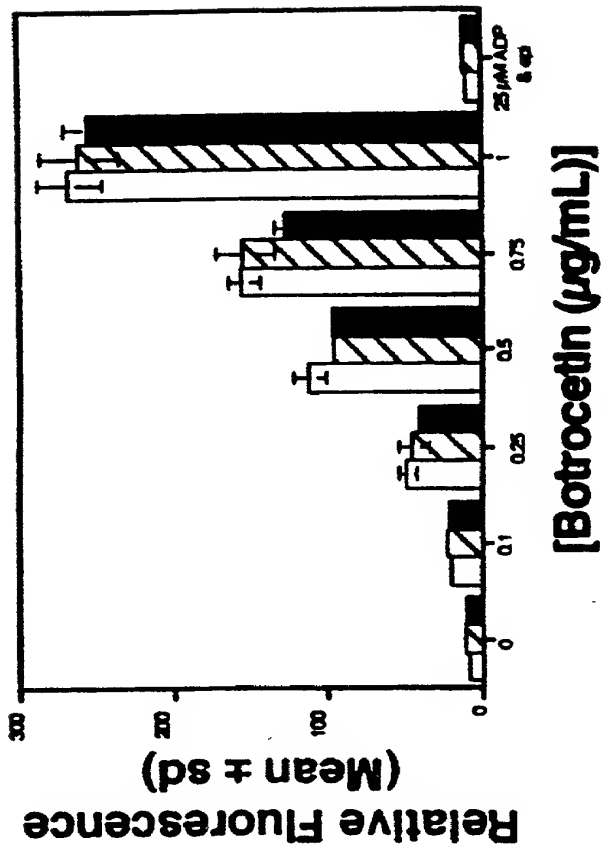
Relative Fluorescence
(Mean ± sd)
[Botrocetin (µg/mL)]
0
0.1
0.25
0.5
0.75
1
25µM ADP

Figure 7

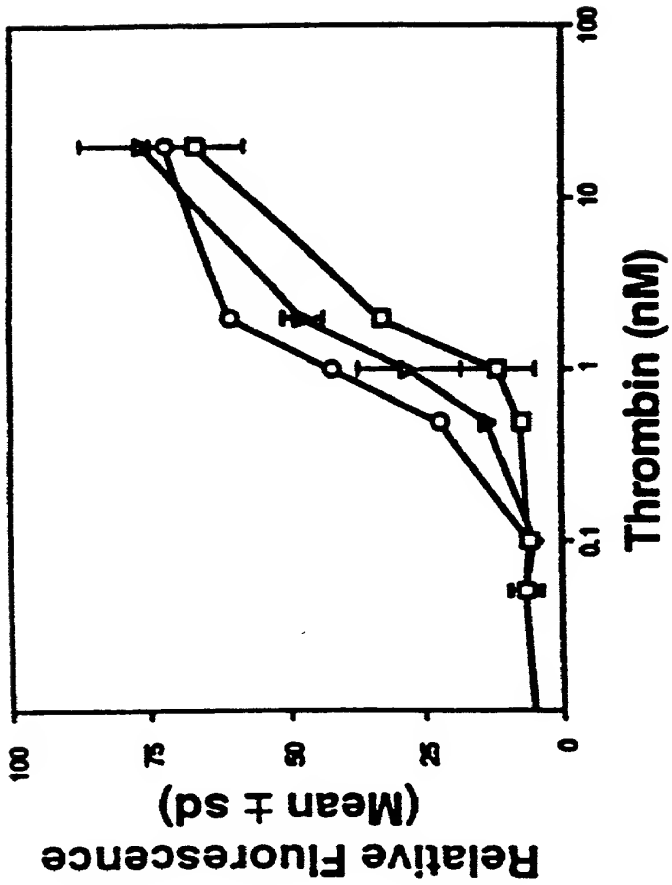
Relative Fluorescence
(Mean ± sd)
0
20
40
60
0.1
1
10
100
Thrombin (nM)

Figure 8

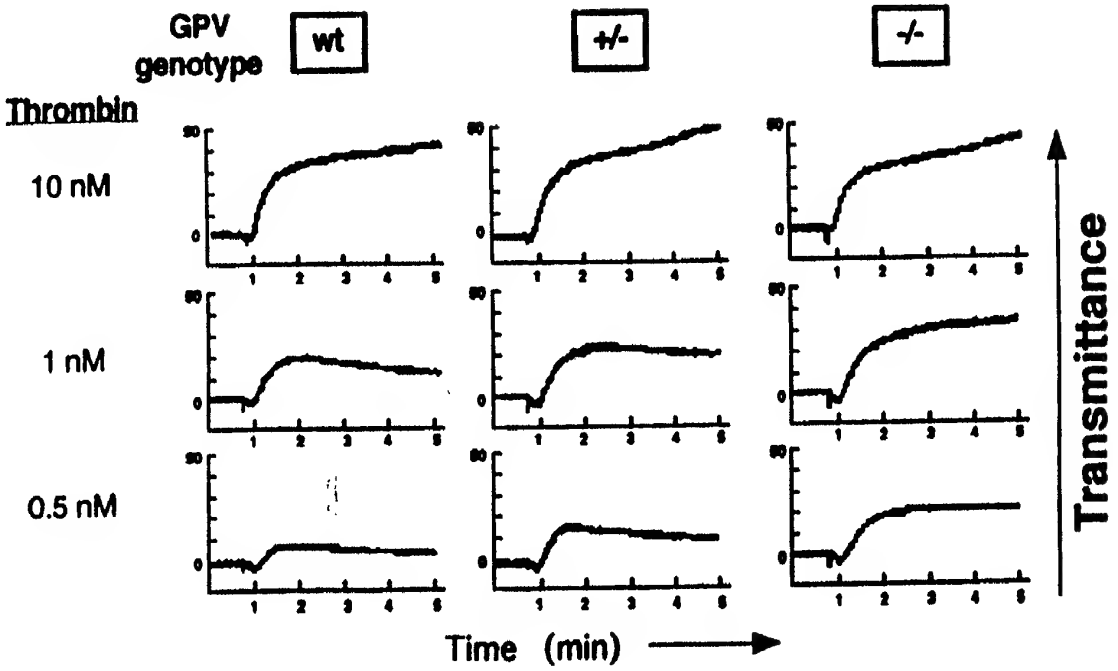
GPV genotype
wt
+/-
-/-
Thrombin
10 nM
1 nM
0.5 nM
Transmittance
Time (min)

Figure 9